

What is claimed is:

1. An image transfer device, comprising:
a box including walls defining an inlet opening and an outlet opening;
a screen;
5 a first mirror, said first mirror being a two-way mirror and having first and second sides, wherein said openings, screen and first mirror are aligned such that, when an image is projected through said inlet opening and is reflected off of said first mirror onto said screen to form a screen image, the screen image can be viewed by looking through both said outlet opening and said first mirror.
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2. An image transfer device as recited in claim 1, and further comprising a means for controlling the tilt of said first mirror to enable centering of an image on said screen.
3. An image transfer device as recited in claim 2, wherein said means for controlling
15 the tilt includes a first biasing means to urge the tilting of said first mirror in a first direction, and a second biasing means to urge the tilting of said first mirror in a second direction.
4. An image transfer device as recited in claim 3, wherein said first biasing means
20 comprises a spring, and said second biasing means comprises a screw.

5. An image transfer device as recited in claim 1, and further comprising a second mirror, wherein said openings, screen, first mirror, and second mirror are aligned such that, when an image is projected through said inlet opening, it is reflected off of said second mirror onto said first mirror and then onto said screen to form the screen image.

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6. An image transfer device as recited in claim 5, and further comprising means for controlling the tilt of said first and second mirrors.

7. An image transfer device as recited in claim 5, wherein said first and second
10 mirrors and said screen are located inside said box so as to define a first light path, which extends through said inlet opening and onto said second mirror, a second light path, which extends from said second mirror onto said first mirror, and a third light path, which extends from said first mirror and onto said screen such that said first and third light paths are substantially parallel to each other.

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8. An image transfer device as recited in claim 7, and further defining a fourth light path, extending from said screen, through said first mirror, and through said outlet opening, wherein said fourth light path is aligned with said third light path.

20 9. An image transfer device as recited in claim 8, wherein a transparent window covers said inlet opening.

10. An image transfer device as recited in claim 9, wherein said box further comprises a cover and a floor to enable closing off said box to substantially eliminate light entry into said box except through said inlet and outlet openings.

5 11. An image transfer device as recited in claim 10, and further comprising:
a projector platform aligned with said inlet opening, including means for adjusting the pitch and roll of said projector platform; and
a recorder platform aligned with said outlet opening, including means for adjusting the pitch and yaw of said recorder platform.

10 12. An image transfer device, comprising:
a box including walls defining an inlet opening and an outlet opening;
a screen inside said box aligned with said outlet opening;
a projector platform outside said box;
15 a projector mounted on said projector platform so that a light beam projected from said projector is aligned with and passes through said inlet opening;
a camera platform outside said box;
an image receiving device mounted on said camera platform aligned with said outlet opening and said screen; and

20 first and second mirrors mounted inside said box, said first mirror being a two-way mirror at a 45-degree angle to said screen, and said second mirror lying at right angles to said first mirror and at a 45-degree angle to said projector light beam, wherein

the light beam projected from said projector is reflected off of said second mirror onto said first mirror and then is reflected off of said first mirror onto said screen, and the screen image can be viewed by the image receiving device directly through the first mirror.

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13. An image transfer device as recited in claim 12, and further comprising adjustment means for adjusting the position of said projector platform relative to said screen.

10 14. An image transfer device as recited in claim 13, and further comprising adjustment means for adjusting the position of said camera platform relative to said screen.

15 15. An image transfer device as recited in claim 14, and further comprising adjustment means for adjusting the positions of said first and second mirrors relative to said screen.

16. An image transfer device as recited in claim 12, wherein said first mirror is a 60-40 mirror.

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17. An image transfer device as recited in claim 12, wherein said box has a hinged cover.

18. An image transfer device as recited in claim 17, wherein said box includes a floor.

5 19. An image transfer device as recited in claim 18, wherein the inner surfaces of said walls, cover and floor are black.